



# Ramanujan's Lost Notebook: Part IV

*George E Andrews, Bruce C. Berndt*

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???In the spring of 1976, George Andrews of Pennsylvania State University visited the library at Trinity College, Cambridge, to examine the papers of the late G.N. Watson. Among these papers, Andrews discovered a sheaf of 138 pages in the handwriting of Srinivasa Ramanujan. This manuscript was soon designated, "Ramanujan's lost notebook." Its discovery has frequently been deemed the mathematical equivalent of finding Beethoven's tenth symphony.

This volume is the fourth of five volumes that the authors plan to write on Ramanujan's lost notebook. In contrast to the first three books on Ramanujan's Lost Notebook, the fourth book does not focus on q-series. Most of the entries examined in this volume fall under the purviews of number theory and classical analysis. Several incomplete manuscripts of Ramanujan published by Narosa with the lost notebook are discussed. Three of the partial manuscripts are on diophantine approximation, and others are in classical Fourier analysis and prime number theory. Most of the entries in number theory fall under the umbrella of classical analytic number theory. Perhaps the most intriguing entries are connected with the classical, unsolved circle and divisor problems.

Review from the second volume:

"Fans of Ramanujan's mathematics are sure to be delighted by this book. While some of the content is taken directly from published papers, most chapters contain new material and some previously published proofs have been improved. Many entries are just begging for further study and will undoubtedly be inspiring research for decades to come. The next installment in this series is eagerly awaited."

- MathSciNet

Review from the first volume:

"Andrews and Berndt are to be congratulated on the job they are doing. This is the first step...on the way to an understanding of the work of the genius Ramanujan. It should act as an inspiration to future generations of mathematicians to tackle a job that will never be complete."

- Gazette of the Australian Mathematical Society?

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A lot of people always spent their particular free time to vacation or maybe go to the outside with them family or their friend. Were you aware? Many a lot of people spent these people free time just watching TV, or even playing video games all day long. If you wish to try to find a new activity honestly, that is look different you can read any book. It is really fun for you personally. If you enjoy the book that you just read you can spent all day every day to reading a e-book. The book Ramanujan's Lost Notebook: Part IV it is very good to read. There are a lot of those who recommended this book. These were enjoying reading this book. If you did not have enough space bringing this book you can buy the actual e-book. You can m0ore easily to read this book from the smart phone. The price is not too costly but this book has high quality.

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With this era which is the greater person or who has ability in doing something more are more precious than other. Do you want to become one among it? It is just simple approach to have that. What you should do is just spending your time almost no but quite enough to have a look at some books. Among the books in the top listing in your reading list is usually Ramanujan's Lost Notebook: Part IV. This book that is certainly qualified as The Hungry Hills can get you closer in turning out to be precious person. By looking upwards and review this guide you can get many advantages.

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